



Shared Media Access from Ingest to Delivery

with Quantum StorNext and Telestream

SIMPLIFY ACCESS, CREATION, AND EXCHANGE OF DIGITAL ASSETS

There are many point solutions that can provide an ingest or transcode capability, but none that provide a fully automated, enterprise-class digital media transcoding and workflow solution that Telestream and Quantum enable.

As modern workflows become more complex with the adoption of higher-resolution camera feeds and multi-screen OTT delivery using a wider variety of media formats, you need a solution that can adjust and scale with you—enabling you to bring out the value of your content.

Telestream's enterprise family of software and hardware ingest and transcoding products integrate with Quantum's StorNext® Pro Solutions providing high-performance storage and archive to help you solve your most complex content workflows.

PROVEN SUCCESS: STORNEXT AND TELESTREAM

No matter what applications drive your workflow, Telestream and Quantum have the solutions to support a wide range of video and audio formats in a shared storage pool environment. Telestream's Pipeline multi-user capture product, Vantage workflow management product, and multi-format transcoding products like Episode and Vantage automatically create and manage a wide range of professional digital media formats that are all natively supported by Quantum's StorNext data management software. In addition to Telestream's extensive qualification of StorNext—including a permanent engineering lab configuration—a number of entertainment customers have proven that StorNext and Telestream solutions work seamlessly together. Dozens of major broadcasters, studios, and post-production facilities have benefited from the combined solution.

COMBINED STRENGTHS

StorNext provides a flexible repository for raw files being captured from VTRs and live feeds through Pipeline. StorNext 5 next-generation storage platform is able to handle high-performance workflows, like using Pipeline to provide multi-camera live event capture, and multiple editors accessing the same files in real-time on their Mac Pro editing workstations. For content already captured—say ingested from HD/SLR cameras—StorNext can create a single pool of storage for multiple users that can be accessed by Telestream's Vantage workflow management and video transcoding products to automate content production and enable multi-channel distribution workflows. Quantum provides an extended online environment through its Lattus™ object storage product to enable content producers to separate non-time critical operations from real-time. This helps remove load from your real-time storage, saving cost and improving efficiency.

For digital assets that require extended retention times or increased protection, StorNext Storage Manager automatically moves files to less-expensive and longer-lasting storage media (disk, tape, or event cloud storage). These files still appear as though they are part of your primary storage tier—available to creatives through a click of the mouse. This enables content producers to provide immediate access



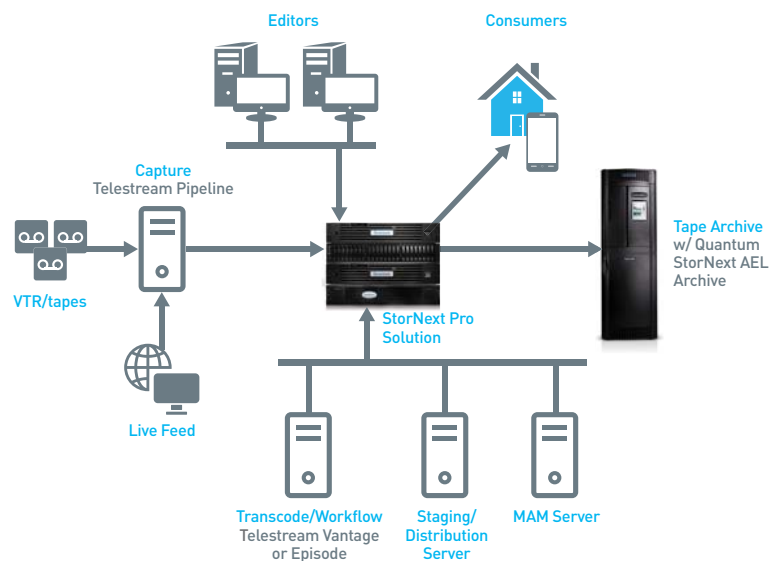
SOLUTION PROFILE

- Streamline workflow processes for faster completion of media projects
- Fast, efficient file transfer between transcoding devices such as Telestream's Vantage running on its GPU-accelerated Lightspeed® Server & Quantum storage devices
- Seamless integration with StorNext 5 and Xsan
- Consolidate multiple storage devices into a single shared storage pool
- Generate more revenue through extended online access as well as automated archival and retrieval of long-tail content for on-demand transcode and delivery
- Proven interoperability between Telestream's Vantage, Pipeline, and Episode with Quantum's StorNext

to long-tail content—combining with Vantage to enable distribution models as simple as right-click, transcode, and send. Additional features like the ability to spread the tiered data workload across multiple X86 servers makes the archival of mass digitization and transcode projects much faster.

Interoperability between all Telestream products and StorNext is seamless and easy to implement without requiring any special coding or complex integration. Telestream products simply see the StorNext File System—whether accessing through a SAN-based connection or LAN connection—as a native Windows volume with all file structures and native protections retained. Given StorNext's strong interoperability with Apple Xsan, video production applications running on Mac can access the same, single pool of storage.

Any single file within StorNext can be natively accessed by Windows-, MAC-, Linux-, and UNIX-based applications within the production workflow without modifications to the application. StorNext enables multiple writers within applications like Vantage or Pipeline to simultaneously access the same file share or even the same file.



The combination of Telestream workflow and transcode products and the StorNext high-performance shared file system creates a powerful platform for enhancing workflow efficiency and performance. The example diagram above depicts a common broadcast workflow environment.

- Baseband video can be captured live or via VTR by Pipeline, cataloged and stored directly in StorNext
- File-based video assets are transcoded into the required file formats by Vantage or Episode
- Vantage provides enterprise-class system management and control of the transcode workflow
- Less-frequently accessed files can be tiered to cheaper storage or archival by StorNext Storage Manager—for quick retrieval and transcode when revenue opportunities arise



ABOUT QUANTUM

Quantum is a leading expert in workflow storage, archive and data protection. More than 100,000 customers have trusted Quantum to address their most demanding content workflow needs, including top studios, major broadcasters and cutting-edge content creators.

StorNext 5 is the next-generation workflow storage platform designed by Quantum to support content production, distribution and archive with the performance and reliability operations needed to meet extreme production and delivery deadlines.

Because StorNext 5 has been engineered from the ground up to deliver superior performance in high-resolution, collaborative post and broadcast workflows, this end-to-end solution can both simplify and accelerate monetization of content in digital libraries.

ABOUT TELESTREAM

Telestream® specializes in products that make it possible to get video content to any audience regardless of how it is created, distributed or viewed. Throughout the entire digital media lifecycle, from capture to viewing, for consumers through high-end professionals, Telestream products range from desktop components and cross-platform applications to fully automated, enterprise-class digital media transcoding and workflow systems. Telestream enables users in a broad range of business environments to leverage the value of their video content.

Telestream customers include the world's leading media and entertainment companies: content owners, creators and distributors. In addition, a growing number of companies supplying and servicing much larger markets such as ad agencies, corporations, healthcare providers, government and educational facilities, as well as video prosumers and consumers, are turning to Telestream to simplify the access, creation and exchange of digital media.

ABOUT QUANTUM

Quantum is a leading expert in scale-out storage, archive and data protection. Its StorNext 5 solutions power modern workflows, enabling high-performance, real-time collaboration and keeping content readily accessible for future use and re-monetization. More than 100,000 customers have trusted Quantum to address their most demanding content workflow needs, including top studios, major broadcasters and new, cutting-edge content creators. With Quantum, customers can Be Certain™ they have the end-to-end storage platform to manage assets from ingest through finishing, and into delivery and long-term preservation. See how at www.stornext.com.

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